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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/992,060 | 11/21/2001 | Robert W. Parish | 7240 US | 4859 |

30078 7590 11/14/2006

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EXAMINER

CASCHERA, ANTONIO A

ART UNIT

PAPER NUMBER

2628

DATE MAILED: 11/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|--|---------------------------------|-------------------------------|--|
| <p align="center">Advisory Action Before the Filing of an Appeal Brief</p> | Application No. 09/992,060 | Applicant(s) PARISH ET AL. | |
| | Examiner Antonio A. Caschera | Art Unit 2628 | |

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 27 October 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
- (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
- (b) ☐ They raise the issue of new matter (see NOTE below);
- (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

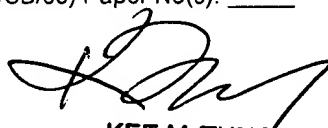
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☒ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
- The status of the claim(s) is (or will be) as follows:
- Claim(s) allowed: _____.
- Claim(s) objected to: _____.
- Claim(s) rejected: 1-4.
- Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____
13. ☐ Other: _____.


 KEE M. TUNG
 SUPERVISORY PATENT EXAMINER

Continuation of 11. does NOT place the application in condition for allowance because: Applicant argues that Lusignan does not disclose the generating of a, "...shaped dither signal, i.e., represents a probability density function for the impulse response of the apparatus being implemented," (see page 3, 1st paragraph, lines 8-10 of Applicant's Remarks). In response to Applicant's argument that the references fail to show certain features of Applicant's invention, it is noted that the features upon which Applicant relies (i.e., the dither shaped signal representing a probability density function for the impulse response of the apparatus being implemented) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Therefore, the Office believes Lusignan to disclose such a "shaped dither signal" as recited in the current claim language and as interpreted in the previous Office Action.

Further, Applicant argues that Lusignan adds the dither signal to the analog signal prior to it having any dimensional components (see page 3, 1st paragraph lines 11-14 of Applicant's Remarks). The Office reiterates that Lusignan et al. discloses adding the shaped dither signal with a dimensional value of each data for a detected waveform to produce filtered data point values (see column 6, lines 40-44 and Figures 5(a), 5(b). Note, "dither waveform(D)" and "Actual current plus "dither"" references in Figure 5(b)). The term, "dimensional component" in reference to a "waveform" (see the "means for summing..." limitation of claim 1), is broadly interpreted as inherently present in the analog signal of Lusignan since the analog signal must be represented by some sort of "dimensions." Further, Applicant seems to suggest that the "dimensional component" is either an "X or Y component" (see page 3, 1st paragraph line 13 of Applicant's Remarks) however again, in response to Applicant's argument that the references fail to show certain features of Applicant's invention, it is noted that the features upon which Applicant relies (i.e., the dimensional components being X or Y components) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Therefore, the Office believes Lusignan to disclose such a "dimensional component" as recited in the current claim language and as interpreted in the previous Office Action.

Finally, Applicant argues that the "...purpose of Lusignan is to provide more accurate measurements at low levels to produce a higher resolution image, whereas the present invention produces a better image when the high resolution image is converted to a lower resolution image," (see page 3, 1st paragraph, lines 14-17 of Applicant's Remarks). The Office argues that the claim language, as currently written, is so broad that the disclosure of Lusignan can be applied thereto. Using broad terms such as, "dimensional component" and "shaped dither signal" allow for the Office to broadly interpret the prior art of record when applying the art to the claims. Even further, Lusignan does indeed deal with the processing of waveforms and further processing for displaying of waveform data using the electronic power meter (see column 1, lines 7-16 of Lusignan). Also, the explicit limitation of subsampling data is found in the Holcomb reference which further deals with processing waveform signals (see previous Final Office Action, rejection of claims 1 & 4). Therefore, the Office interprets the combination of Lusignan and Holcomb to disclose all of the claim limitations as applied to claims 1-4 and maintains its previous rejection based upon the above mentioned prior art.



PATENT EXAMINER